Docket No.

210148US99

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:

Jamal RAMDANI, et al.

SERIAL NO:

09/885,409

GAU:

2812

FILED:

June 21, 2001

EXAMINER: SIMKOVIC

3-24-03

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FOR:

METHOD FOR FABRICATING A SEMICONDUCTOR STRUCTURE INCLUDING A METAL OXIDE INTERFACE WITH SILICON

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

ASSISTANT COMMISSIONER FOR PATENTS WASHINGTON, D.C. 20231

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references were submitted in application Serial No. 09/908,888 according to the attached copy of a Granted Petition. This application contains related subject matter.
- A check is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

Please charge any additional fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

03/19/2003 CV0111

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Respectfully submitted,

, McCLELLAND, SPIVAL STADT, P.C. MAIER

Richard L. Treanor

Registration No. 36,379

Tel. (703) 413-3000 Fax. (703) 413-2220 (OSMMN 03/02)

ATTY DOCKET NO. SERIAL NO. U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE 09/885,409 210148US99 APPLICANT LIST OF REFERENCES CITED BY APPLICANT Jamal RAMDANI, et al. FILING DATE **GROUP** 2812 June 21, 2001 EXAMINER **U.S. PATENT DOCUMENTS** DOCUMENT DATE NAME CLASS SUB FILING DATE INITIAL **CLASS** IF APPROPRIATE NUMBER AΑ 3,802,967 04/09/74 Ladany et al. ΑB 4,174,422 11/13/79 Matthews et al. AC. 4,404,265 09/13/83 Manasevit 11/13/84 Hovel et al. ĀD 4,482,906 ΑE 4,523,211 06/11/85 Morimoto et al. AF 04/28/87 Manasevit 4,661,176 AG 12/27/88 Meunier et al. 4,793,872 07/11/89 Kay et al. ΙАН 4,846,926 ΑJ 4,855,249 08/08/89 Akasaki et al. 4.891,091 01/02/90 Shastry ΑK 4,912,087 03/27/90 Aslam et al. ΙAL 4,928,154 05/22/90 Umeno et al. ΑМ 10/16/90 Wanlass et al. 4,963,949 AN 5,141,894 08/25/92 Bisaro et al. ΑO 10/27/92 Calviello et al. 5,159,413 AΡ 12/22/92 Connell et al. 5,173,474 5,221,367 06/22/93 Chisholm et al. AQ AR 5,225,031 07/06/93 McKee et al. AS 5,358,925 10/25/94 Neville Connell et al. 02/28/95 Summerfelt AΤ 5,393,352 05/23/95 Fork ΑU 5,418,216 09/19/95 ΑV McKee et al. 5,450,812 AW 12/26/95 5,478,653 Guenzer 5,482,003 01/09/96 McKee et al. ΑŸ 05/07/96 Nashimoto 5,514,484 ΑZ 09/17/96 Guenzer 5,556,463 12/31/96 Sheldon BΑ 5,588,995 ВВ 5,670,798 09/23/97 Schetzina ВС 03/31/98 Fork et al. 5,733,641 04/07/98 Manti et al. BD 5,735,949 Ramdani et al. BE 04/21/98 5,741,724 09/22/98 BF Yano et al. 5,810,923 BG 5,830,270 11/03/98 McKee et al. ВН 06/15/99 5,912,068 ві 6,020,222 02/01/00 Wollesen BJ 6,045,626 04/04/00 Yano et al. 05/16/00 Northrup et al. вк 6,064,078 BL 6,064,092 05/16/00 вм 08/01/00 Ellis-Monaghan et al. 6,096,584 08/15/00 BN McKee et al. 6,103,008 10/24/00 RΩ 6,136,666 So ΒP 01/16/01 6,174,755 Manning 01/30/01 BQ 6,180,486 Leobandung et al.

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L		EA EB	4,484,332 4,815,084		Scifres et al.	·		
		EB		10/24/89	Eshita et al.		<u> </u>	
\Vdash		EC ED	4,876,219 4,963,508	10/16/90	Umeno et al.			
\Vdash		EE	5,060,031		Abrokwah, et al.	 		
\Vdash		EF	5,063,166	11/05/91	Mooney et al.	 		-
\vdash		EG	5,116,461	05/26/92	Lebby et al.	 		
-		EH	5,127,067	06/30/92	Delcoco et al.		 	
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\vdash		E) EJ	5,293,050	03/08/94	Chapple-Sokol et al	 	 	
\Vdash		EK	5,356,831	10/18/94	Calviello et al.		-	
\Vdash		EL	5,391,515		Kao et al.			
\Vdash		EM	5,442,191	08/15/95	Ma			
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\vdash		EO	5,480,829		Abrokwah, et al.			
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-		EQ.	5,614,739	03/25/97	Abrokwah et al.			
\Vdash		ER	5,729,394	03/17/98	Sevier et al.	1		
\Vdash		ES	5,731,220	03/24/98	Tsu et al.	<u> </u>		
\vdash		ET	5,764,676	06/09/98	Paoli et al.	1		
-		EU	5,777,762	07/07/98	Yamamoto	<u> </u>	 	
F		EV	5,778,018	07/07/98	Yoshikawa et al.	 	 	
⊩		EW	5,778,116	07/07/98	Tomich			
\vdash		EX	5,801,105	09/01/98	Yano et al.			
\vdash		EY	5,828,080	10/27/98	Yano et al.	ļ <u>.</u>		
\vdash		EZ	5,858,814	01/12/99	Goossen et al.	 		
\vdash		FA	5,861,966	01/19/99	Ortel	 	-	
\vdash		FB	5,883,996	03/16/99	Knapp et al.	<u> </u>		
\parallel		FC	5,995,359	11/30/99	Klee et al.	<u> </u>		***************************************
\vdash		FD	6,058,131	05/02/00	Pan	†	†	
\parallel		FE	6,137,603	10/24/00	Henmi			
\parallel		FF	6,146,906	11/14/00	Inoue et al.			
上		FG	6,173,474	01/16/01	Conrad			
\vdash		FH	6,180,252	01/30/01	Farrell et al.			
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1		FP	4,841,775	06/27/89	lkeda et al.			
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SHEET 4 OF 23 ATTY DOCKET NO. SERIAL NO. Form PTO 1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE 210148US99 09/885,409 3770 **APPLICANT** LIST OF BEFERENCES CITED BY APPLICANT Jamai RAMDANI, et al. FILING DATE GROUP MAR 1 4 2003 June 21, 2001 2812 **U.S. PATENT DOCUMENTS** DOCUMENT DATE NAME CLASS SUB FILING DATE NUMBER IF APPROPRIATE **CLASS** 4,868,376 09/19/89 Lessin et al. GA GB 4,885,376 12/05/89 Verkade $\overline{\mathsf{GC}}$ 4,888,202 12/89 Murakami et al. 4,891,091 12/90 Wanlass et al. GD 09/24/91 Hammer GΕ 5,051,790 Belt et al. GF 5,055,445 10/08/91 GG 5,081,519 11/14/92 Nishimura et al. 09/01/92 Pirrung et al. GH 5,143,854 5,185,589 02/09/93 Krishnaswamy et al. GI 03/02/93 GJ 5,191,625 Gustavsson 03/16/93 Cook et al. GΚ 5,194,397 GL 5,208,182 05/04/93 Narayan et al. 06/01/93 GM 5,216,729 Berger et al. 05/24/94 GN 5,314,547 Heremans et al. 10/04/94 Andrews GO 5,352,926 GP 5,356,509 10/18/94 Terranova et al. 5,371,734 12/06/94 Fischer GQ 12/94 Itozaki et al. GR 5,372,992 04/11/95 Yamagata et al. GS 5,405,802 08/15/95 Yoshizawa et al. GΤ 5,442,561 Shibasaki et al. GU 5,453,727 09/26/95 5,466,631 11/14/95 chikawa et al. GW 5,473,047 12/05/95 5,473,171 12/95 Summerfelt ĞΧ

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				APPLICANT		L	09/000,409
LIST OF	AFE	ERENCES CITED BY AF	PPLICANT		al RAMDANI,	et al.	
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40-10	7			U.S. PATENT DOCUMENTS			
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HALL	ΙA	5,650,646	07/22/97	Summerfelt			
	IB	5,656,382	08/12/97	Nashimoto			
	IC	5,659,180	08/19/97	Shen et al.		Ī	
	ID	5,661,112	08/26/97	Hatta et al.			
	ΙE	5,679,965	11/95	Schetzina	•		
	IF	5,725,641	03/10/98	MacLeod			
	IG	5,745,631	04/28/98	Reinker			
	iH	5,776,621	07/07/98	Nashimoto			
<u> </u>	11	5,777,350	07/07/98	Nakamura et al.			-
	IJ	5,789,845	08/04/98	Wadaka et al.			
	iĸ	5,792,569	08/11/98	Sun et al.			
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	IN	5,801,072	09/01/98	Barber			
	Ю	5,812,272	09/22/98	King et al.			
	IP	5,814,583	09/98	Itozaki et al.			
	IQ	5,825,055	10/20/98	Summerfelt			
	IR	5,827,755	10/27/98	Yonchara et al.			
	IS	5,833,603	11/10/98	Kovacs et al.			
·····	IT	5,838,035	11/17/98	Ramesh			
	ΙÜ	5,844,260	12/01/98	Ohori			
	IV	5,846,846	12/08/98	Suh et al.			
	iw	5,863,326	01/26/99	Nause et al.			
	IX	5,872,493	02/16/99	Ella			
	İΥ	5,879,956	03/99	Seon et al.			
	IZ	5,880,452	03/09/99	Plesko			
	JA	5,883,564	03/16/99	Partin			
	ЈΒ	5,907,792	05/25/99	Droopad et al.			,
	μc	5,937,274	08/10/99	Kondow et al.			
	μD	5,948,161	09/07/99	Kizuki			
-	JΕ	5,959,879	09/28/99	Коо			
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	JG	5,987,011	11/16/99	Toh			-
	μн	6,022,140	02/08/00	Fraden et al.			-
	JI	6,022,410	02/08/00	Yu et al.			
	JJ	6,023,082	02/08/00	McKee et al.			
	JК	6,028,853	02/22/00	Haartsen			
	JL	6,049,702	04/11/00	Tham et al.			
<u> </u>	ЛМ	6,078,717	06/20/00	Nashimoto et al			
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	ho	6,090,659	07/00	Laibowitz et al.			
	JP	6,107,721	08/22/00	Lakin			
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Form PTO 1449
(Modified)

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APPLICANT

Jamal RAMDANI, et al.

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	кв	6,191,011	02/01	Gilboa et al			
	кс	6,204,737	03/20/01	Ella			
	KD	6,224,669	05/01/01	Yi et al.			
	KE	6,225,051	05/01/01	Sugiyama et al.			
	KF	6,241,821	06/05/01	Yu et al.			
	KG	6,265,749	07/24/01	Gardner et al.			
	KH	6,313,486	11/01	Kencke et al.			
	ΚI	6,316,832	11/13/01	Tsuzuki et al.			
	KJ	2002/0008234	01/02	Emrick			
	KK	3,670,213	06/13/72	Nakawaga et al.			
	KL	4,756,007	07/05/88	Qureshi et al.			
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	KN	5,394,489	02/28/95	Koch			
	ко	5,406,202	04/11/95	Mehrgardt et al.			
	KP	5,528,067	06/18/96	Farb et al.			
	KQ	5,572,052	11/05/96	Kashihara et al.			*
	KR	5,767,543	06/16/98	Ooms et al.			
	KS	6,175,497	01/16/01	Tseng et al.			
	KT	6,197,503	03/06/01	Vo-Dinh et al.			
	KU	6,248,459	06/19/01	Wang et al.			
	ΚV	6,252,261	06/26/01	Usui et al.			
	KW	6,255,198	07/03/01	Linthicum et al.			
	KX	6,268,269	07/31/01	Lee et al.			
	KY	6,291,319	09/18/01	Yu et al.			
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	LA	6,343,171	01/29/02	Yoshimura et al.			
	LB	4,965,649	10/23/90	Zanio et al.			<u>.</u>
	LC	6,253,649	05/01	Kawahara et al.			
	LD	6,211,096	04/01	Allman et al.			
	LE	6,239,449	05/29/01	Fafard et al.			
	LF	2001/0013313	08/16/01	Droopad et al.			
	LG LH	6,184,044	02/06/01	Sone et al. Mirkarimi et al.			
		6,011,646	01/04/00				
	LI LJ	5,227,196 6,150,239	07/13/93	Itoh Goesele et al.			
	LK	5,441,577	08/15/95	Sasaki et al.	_		
	LL	4,459,325	08/15/95	Nozawa et al.			
	LM	4,459,325	07/10/84	Little			
	LN	4,289,920	07/12/83				
	LO	5,281,834	09/15/81	Hovel Cambou et al.			
	LO LP	4,901,133	01/25/94	Curran et al.			
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	LQ ———	D,514,504	03/07/96	Onga et al.		<u>_</u>	

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U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE Form PTO 1449 (Modified)

ATTY DOCKET NO. 210148US99 SERIAL NO.

09/885,409

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APPLICANT Jamal RAMDANI, et al.

FILING DATE

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	МС	6,229,159	05/08/01	Suzuki			
_	MD	4,748,485	05/31/88	Vasudev			
_	ME	4,984,043	01/08/91	Vinal			
	MF	5,754,319	05/19/98	Van De Voorde et al.			
	MG	6,108,125	08/22/00	Yano			
	МН	5,073,981	12/17/91	Giles et al.			
	МІ	5,140,651	08/18/92	Soref et al.			
	MJ	5,610,744	03/11/97	Ho et al.	<u> </u>		
	МК	6,362,017	03/26/02	Manabe et al.			
	ML	6,242,686	06/05/01	Kishimoto et al.	ļ		
_	ММ	5,689,123	11/18/97	Major et al.			**************************************
	MN	5,670,800	09/23/97	Nakao et al.			
	МО	5,067,809	11/26/91	Tsubota			
	MP	5,596,205	01/21/97	Reedy et al.			
	MQ	6,175,555	01/16/01	Hoole			
	MR	5 ,357,122	10/18/94	Okubora et al.	ļ		
	MS	4,084,130	04/11/78	Holton			<u> </u>
	МТ	6,093,302	07/25/00	Montgomery	ļ		
	MU	6,372,813	04/16/02	Johnson et al.	<u> </u>		
	MV	5,608,046	03/04/97	Cook et al.			
	MW	5,955,591	09/21/99	Imbach et al.			
	MX	6,022,963	02/08/00	McGall et al.			
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	MY	6,083,697	07/04/00	Beecher et al.	ļ		
	MZ	5,063,081	11/05/91	Cozzette et al.			
	NA	5,479,317	12/26/95	Ramesh		ļ	
	NB	5,306,649	04/26/94	Hebert			
	NC	5,962,069	10/05/99	Schindler et al.			
	ND	5,541,422	07/30/96	Wolf et al.			T-7.
	NE	5,873,977	02/23/99	Desu et al.	<u> </u>		
	NF	5,538,941	07/23/96	Findikoglu et al.		ļ <u> </u>	
	NG	6,046,464	04/04/00	Schetzina	ļ		
	NH	6,235,145	05/22/01	Li et al.			
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	NJ	5,280,013	01/18/94	Newman et al.	 		
	NK	6,348,373 B1	02/19/02	Ma et al.	-		-
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	NM	4,439,014	03/27/84	Stacy et al.	-		
	NN	4,889,402	12/26/89	Reinhart	 		
	NO	5,963,291	10/05/99	Wu et al.	-	-	
	NP	6,011,641	01/04/00	Shin et al.		 	
	NQ	6,340,788 B1	01/22/02	King et al.	1	l	

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	OA	5,807,440	09/15/98	Kubota et al.			
	ОВ	4,681,982	07/21/87	Yoshida			
	ОС	4,629,821	12/16/86	Bronstein-Bonte et al.			
	OD	4,452,720	06/05/84	Harada et al.			
	OE	3,935,031	01/27/76	Adler			
<u> </u>	OF	5,760,426	06/02/98	Marx et al.			
	OG	5,053,835	10/01/91	Horikawa et al.			
	ОН	6,326,645 B1	12/04/01	Kadota			
	OI	5,770,887	06/23/98	Tadatomo et al.			
	Ol	6,372,356 B1	04/16/02	Thornton et al.			<u> </u>
***	ОК	4,774,205	09/27/88	Choi et al.			
	OL	6,359,330 B1	03/19/02	Goudard			
	ОМ	5,312,765	05/17/94	Kanber			
	ON	5,734,672	03/31/98	McMinn et al.			
	00	6,367,699 B2	04/09/02	Ackley			
	OP	5,530,235	06/25/96	Stefik et al.			
	OQ	5,623,552	04/22/97	Lane			
	OR	5,481,102	01/02/96	Hazelrigg, Jr.			
	os	6,134,114	10/17/00	Ungermann et al.			
	ОТ	5,984,190	11/16/99	Nevill			
	ΟU	5,789,733	08/04/98	Jachimowicz et al.			
	ΟV	5,753,300	05/19/98	Wessels et al.			
	ow	6,208,453	03/27/01	Wessels et al.			
	ОХ	5,886,867	03/23/99	Chivukula et al.			
	OY	5,028,976	07/02/91	Ozaki et al.			
	oz	5,869,845	02/09/99	Vander Wagt et al.			
	PA	5,596,214	01/21/97	Endo			
	РВ	6,391,674 B2	05/21/02	Ziegler			
	PC	6,275,122 B1	08/14/01	Speidell et al.			
- ·	PD	6,238,946 B1	05/29/01	Ziegler			
	PE	6,210,988 B1	04/03/01	Howe et al.			
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	PG	4,442,590	04/17/84	Stockton et al.			
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	PI	6,087,681	06/11/00	Shakuda			
	PJ	5,132,648	07/21/92	Trinh et al.			
	PK	6,427,066	07/30/02	Grube			
	PL	2002/0072245	06/13/02	Ooms et al.			
	РМ	6,278,138 B1	08/21/01	Suzuki			
	PN	5,888,296	03/30/99	Ooms et al.			
	РО	5,198,269	03/3093	Swartz et al.			
	PP	2002/0030246	03/14/02	Eisenbeiser et al.			
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	QA	5,776,359	07/07/98	Schultz et al.			
	QB	5,569,953	10/29/96	Kikkawa et al.			
	QC	5,834,362	11/10/98	Miyagaki et al.			
	QD	6,248,621 B1	06/19/01	Wilk et al.			
	QE	5,266,355	11/30/93	Wernberg et al.			
	QF	6,277,436 B1	08/21/01	Stauf et al.			
	QG	6,039,803	03/21/00	Fitzgerald et al.			
	QH	5,619,051	04/08/97	Endo			
	QI	5,420,102	05/30/95	Harshavardhan et al.			
	QJ	5,210,763	05/11/93	Lewis et al.			
	QK	5,103,494	04/07/92	Mozer			
	QL	4,594,000	06/10/86	Falk et al.			
	QM	4,297,656	10/27/81	Pan			
	QN	5,244,818	09/14/93	Jokers et al.			·
	QO	6,048,751	04/11/00	D'Asaro et al.			
	QP	5,484,664	01/16/96	Kitahara et al.			
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	QS	5,399,898	03/21/95	Rostoker			
	QT	6,271,619	08/07/01	Yamada et al.			
	QU	5,334,556	08/02/94	Guldi			
	QV	4,910,164	03/20/90	Shichijo			
	QW	4,952,420	08/28/90	Walters			
	QX	6,121,647	09/19/00	Yano et al.			
	QY	6,306,668 B1	10/23/01	McKee et al.			
	QZ	6,143,366	11/07/00	Lu			
	RA	6,410,941	06/25/02	Taylor et al.			
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	RD	6,345,424	02/12/02	Hasegawa et al.			
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	RI	3,914,137	10/21/75	Huffman et al.			
	RJ	5,753,928	05/19/98	Krause			
	RK	5,977,567	11/02/99	Verdiell			
	RL	5,130,762	07/14/92	Kulick			
	RM	5,621,227	04/15/97	Joshi			
	RN	6,389,209 B1	05/14/02	Suhir			
	RO	5,163,118	11/10/92	Lorenzo et al.			
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	RQ	5,323,023	06/21/94	Fork			



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	SB	5,395,663	03/07/95	Tabata et al.			
	sc	4,146,297	03/27/79	Alferness et al.			
	SD	5,452,118	09/19/95	Maruska			
	SE	5,889,296	03/30/99	Imamura et al.			
	SF	6,300,615 B1	10/09/01	Shinohara et al.			
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	SL	6,417,059 B2	07/09/02	Huang	İ		
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	ТВ	5,953,468	09/14/99	Finnila et al.			
	тс	5,561,305	10/01/96	Smith			
	TD	5,896,476	04/20/99	Wisseman et al.			
	TE	4,934,777	06/19/90	Jou et al.			
	TF	6,320,238 B1	11/20/01	Kizilyalli et al.			
	TG	6,393,167 B1	05/21/02	Davis et al.			
	ТН	5,760,427	06/02/98	Onda			
	Ti	6,411,756 B2	06/25/02	Sadot et al.			
	TJ	5,668,048	09/16/97	Kondo et al.			
	TK	5,852,687	12/22/98	Wickham			
	TL	5,122,852	06/16/92	Chan et al.			
	ТМ	5,173,835	12/22/92	Cornett et al.			
	TN	5,055,835	10/08/91	Sutton			
	то	6,139,483	10/31/00	Seabaugh et al.			
	TP	5,283,462	02/01/94	Stengel	T		· · · · ·
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